

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA PROJECT DIVISION

Name of Work:-Modified estimate for Improvements to Park beside to Ganesha Temple Sahakara
Nagara in ward No-08.

S.no	Description of item.s	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Specification No. 301. (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
	Site Cleaning and Levelling work	Cum							
	For Yoga flat form Extension		1	9.00	7.00	0.15	9.45		
	For Benches Flatfrom surface		22	2.50	2.20	0.15	18.15		
	Watch Man Room front pathway		1	15.00	2.00	0.15	4.50		
			1	3.50	3.30	0.15	1.73		
	Room Beside		1	7.30	5.00	0.15	5.48		
	Gap		1	4.00	0.75	0.15	0.45		
	Fountain Alround		1	50.00	2.00	0.15	15.00		
	Fountain Entry		2	4.00	2.00	0.15	2.40		
	For Benches walls Foundation		22	2.40	0.25	0.30	3.96		
			44	2.00	0.25	0.30	6.60		
	Play Ground :-Wall-01		1	25.00	0.30	0.45	3.38		
			2	2.40	0.30	0.45	0.65		
	RCC benches Leg,s		16	0.25	0.25	0.45	0.45		
	Electric Poles		2	0.25	0.25	0.60	0.08		
	Cable work		1	20.00	0.15	0.45	1.35		
	Flaghausting Pole		1	0.75	0.75	1.00	0.56		
	Shoulders		10	1.20	0.60	0.15	1.08		
	Gate Poles		4	0.35	0.35	0.60	0.29		
							75.55	226.04	17077.77
2	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (P.No.147, I.No.19.60 of PW, P&IWTD SR 2018-19)								
	For Yoga flat form Extension	cum	1	9.00	7.00	0.12	7.56		
	For Benches Flatfrom		22	2.00	1.80	0.15	11.88		
	Watch Man Room front pathway		1	15.00	2.00	0.15	4.50		
			1	3.50	3.30	0.15	1.75		
	Room Beside		1	7.30	5.00	0.15	5.58		
	Gap		1	4.00	0.75	0.15	0.45		
							31.72	361.00	11450.97
3	KSRRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 (P.No.13, I.No.4.3 of PW, P&IWTD SR 2018-19)								
	For Yoga flat form Extension	cum	1	9.00	7.00	0.15	9.45		
	For Benches walls Foundation		22	2.50	0.25	0.15	2.06		
			44	2.00	0.25	0.15	3.30		

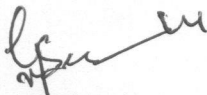
for Benches Platform (flooring)		22	2.00	1.80	0.15	11.88		
atch Man Room front pathway		1	15.00	2.00	0.15	4.50		
		1	3.50	3.30	0.15	1.73		
Room Beside		1	7.30	5.00	0.15	5.48		
Gap		1	4.00	0.75	0.15	0.45		
Play Ground :-Wall-01		1	25.00	0.35	0.10	0.88		
		2	2.40	0.35	0.10	0.17		
Electric Poles		2	0.25	0.25	0.10	0.01		
Flaghausting Pole foundation		1	0.75	0.75	0.10	0.06		
Shoulders		10	1.20	0.60	0.10	0.72		
Gate Poles		4	0.25	0.25	0.10	0.03		
						40.71	5678.40	231149.21
4 KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggretes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.5 of PW, P&IWTD S.R 2018-19)								
Walking Pathway:-	cum	1	462.00	3.40	0.10	157.08		
RCC benches leg,s		16	0.20	0.20	0.40	0.26		
Play Ground :-Wall-01		1	25.00	0.20	0.10	0.50		
		2	2.40	0.20	0.10	0.10		
Wall-02		1	20.00	0.20	0.10	0.40		
Electric Poles		2	0.25	0.25	0.50	0.06		
Flaghausting Pole foundation		1	0.70	0.70	0.90	0.44		
Shoulders Vent Concrete		10	1.20	0.15	0.10	0.18		
Gate Poles		4	0.30	0.30	0.40	0.14		
						159.16	6350.00	1010662.83
5 Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. (P.No.266, I.No.37.3 of PW, P&IWTD								
	Sqm							
						0.00	800.00	0.00
6 Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No.266, I No 37.2 of PW P&IWTD SR 2018-19)								
	m							
						0.00	955.50	0.00
7 Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266, I.No.37.4 of PW, P&IWTD SR 2018-19)								
	m							
						0.00	454.10	0.00

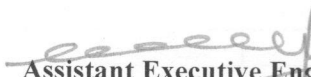
	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)								
	For Yoga flat form Extension	sqm	1	9.00	7.00		63.00		
	For Benches Platform		22	2.40	2.10		110.88		
							173.88	1470.00	255603.60
9	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.103/I.14.6) PWD SR 2018-19, 60mm thick								
	Fountain Around	sqm	1	50.00	1.80		90.00		
	Fountain Entry		2	4.00	1.80		14.40		
							104.40		
				30% of Quantity			31.32		
	Watch Man Room front pathway		1	15.00	2.00		30.00		
			1	3.50	3.00		10.50		
	Room Beside		1	7.50	5.00		37.50		
	Gap		1	4.00	0.75		3.00		
							112.32	1200.00	134784.00
10	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete. (P.No.27, I.No.5.30 of PW, P&IWT SR 2018-19)								
	Watch Man Room front pathway	No,s	2	15.00			30.00		
			2	3.50			7.00		
	Room Beside		1	5.00			5.00		
	Fountain Around		1	52.00			52.00		
			1	48.00			48.00		
	Fountain Entry		4	4.00			16.00		
							158.00		
	(-)Deductions Opens		1	4.00			4.00		
	Fountain Entry,s		5	2.00			10.00		
							14.00		
							144.00		
					144/0.45		320.00		
					A say		320.00		
	Walking Track Missing Kerbs:-		2	480.00			960.00		
					960/0.45		2133.33		
					10% Of Quantity		213.33		
					B say		213.00		
							533.00	454.10	242035.30

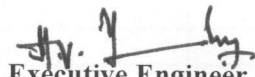
RRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (P.No.180, I.No.24.1 of PW, P&IWTDR SR 2018-19)									
	Walking Track	sqm	2	480.00		0.25	240.00		
	Play Ground :-Wall-01		2	25.00		0.35	17.50		
			4	2.40		0.35	3.36		
	Wall-02		2	20.00		0.35	14.00		
	Watch Man Room front pathway		2	15.00		0.25	7.50		
			2	3.50		0.25	1.75		
	Room Beside		1	5.00		0.25	1.25		
	Fountain Around		1	52.00		0.25	13.00		
			1	48.00		0.25	12.00		
	Fountain Entry		4	4.00		0.25	4.00		
	New Gate,s		4	2.40		2.10	20.16		
							334.52		
	(-)Deductions Opens		1	4.00		0.25	1.00		
	Fountain Entry,s		5	2.00		0.25	2.50		
							3.50		
							331.02	89.04	29474.02
12	Providing and fixing polished gray granite slab benches of size 5 ft width of seating slab with bottom slab of 75mm thick width 1.50ft with back rest slab of 50 mm thick with 1.50ft depth, side and slab of 100mm thick 2.50 ft height including bull nosing of all edges including fixing in CC 1:2:4 including loading and unloading as per design, specification and fixing as per the directions of the engineer in charge.								
		No,s	5				5.00		
							5.00	12000.00	60000.00
13	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvalume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. (P.No.299, I.No.38.30 of PW, P&IWTDR SR 2018-19)								
		Sqm							
							0.00	159.60	0.00
	Extra Items								
E1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.28, I No.								
	For Benches Flatform	sqm	22	2.20		0.40	19.36		
			44	2.30		0.40	40.48		
	Play Ground :-Wall-01		1	25.00		0.40	10.00		
			2	2.40		0.40	1.92		
	Wall-02		1	20.00		0.40	8.00		
	RCC Benches Supporting Walls		4	0.40		0.60	0.40		
	Shoulders		20	1.20		0.20	4.80		
							84.96	1070.20	90923.86
	Basic Rate	962.00							
	Area weightage 6%	57.72							

	Total	1019.72							
	Tender Premium(+4.95)	50.48							
		1070.20							
2	Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.(P.No.116, I.No.15.17)								
	For Benches Platform	sqm	22	2.20		0.30	14.52		
			44	2.00		0.30	26.40		
	Play Ground :-Wall-01		2	25.00		0.40	20.00		
			4	2.40		0.40	3.84		
			1	25.00	0.25		6.25		
			2	2.40	0.25		1.20		
	Wall-02		2	20.00		0.30	12.00		
			1	20.00	0.25		5.00		
							84.21	272.56	22951.87
	Basic Rate	245.00							
	Area weightage 6%	14.7							
	Total	259.70							
	Tender Premium(+4.95)	12.86							
		272.56							
E3	Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support MS Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C /C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with Necessary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings. I.No 7.31,								
	Gate,s	Kgs	1	2.35		1.65	3.88		
			1	2.85		2.20	6.27		
							10.15		
					(10.15X21kg)		213.10	146.85	31292.52
	Basic Rate	132.00							
	Area weightage 6%	7.92							
	Total	139.92							
	Tender Premium(+4.95)	6.93							
		146.85							
E4	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine,generator&HOM of machinery,including cost of blade,coolant etc as per specifications as per specifications.(p.no178/22.80)								
		Rmtr	84	3.40			285.60		
							285.60	150.18	42892.39
	Basic Rate	135.00							
	Area weightage 6%	8.1							
	Total	143.10							
	Tender Premium(+4.95)	7.08							
		150.18							

providing and fixing ornamental delhi benches as per design specification and fixing as per direction of Engineer in charge of work								
Temple front	No,s	4				4.00		
Park inside		1				1.00		
						5.00	8500.00	42500.00
Basic Rate	8500.00							
E6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.							
	Sqm	1	457.00	3.4		1553.80		
						1553.80	75.65	117541.80
Basic Rate	68.00							
Area weightage 6%	4.08							
Total	72.08							
Tender Premium(+4.95)	3.57							
	75.65							
Grand Total RS							2340340.15	


Assistant Engineer
Yelahanka Project Division


Assistant Executive Engineer
Yelahanka Priject Division


Executive Engineer
Yelahanka Project Division

Technical Sanction
Accorded For 23,403,40/-
Head of A/C p-0541...
CER NO T.5/22/19-20
25-09-19.
 CE (T.M.V.)